

## Site investigation of Hickory Corner Dairy

On September 30, 2015 at 9:00 am Gabe Davis and I met with Jim Shipley (owner) at Hickory Corner dairy. Weather was periods of moderate to light rain and fog.

We first looked at the lagoons for the manure disposal, neither one was overflowing or showed any signs of past overflows. (See attached photos)

Secondly we looked at the clear water lagoon, it receives water from the barn and shed roofs, and it was approaching the top of the berm, but was not over flowing.

Next we looked at the feed mixing area and silage storage. This area did have run off that drains to a depression/pond, this runoff is contained by the depression.

We then looked at the crop fields around the dairy used for spreading waste from the lagoons. At the crop field adjunct to the creek, we did not see evidence of spreading manure in this field. The larger fields east of the dairy had waste from the lagoons spread on them. One of the fields has a ditch that runs along the edge; there was no water in the ditch during our investigation. The other field has no physical features to impact. The field west on the dairy where they had spread also had no physical features to impact.

The main problem I observed is the runoff from the feed storage and mixing area, The Shipley's need guidance on how to prevent runoff from this area to the depression. Also guidance on spreading manure to make sure they do not violate setback requirements.



The liquid waste lagoon, it was not overflowing, nor did we see any evidence of past breaches.



The manure lagoon, this lagoon was also contained.





Clear water lagoon, it is approaching the top of the berm due the rainfall.



This is field to the creek, no evidence of spreading.





East of the dairy, there is a ditch along the edge of this field. There was no water in the ditch at the time of our inspection.



East of the dairy, no issues with this field





Drainage from the silage storage area drains toward a depression/pond.



Feed mixing area and silage storage, drains toward depression/pond.



Runoff from feed/ silage area with pond in the distance.